

The Spectral Distribution of Power from
a Planckian Radiator ($C_2 = 1.438$ cm.deg)

by

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a Planckian Radiator ($C_2 = 1.438 \text{ cm.deg.}$)

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Abstract.

The relative spectral distributions of power from Planckian radiators are given in nine significant figures for the temperatures 1000 (250) 3500, 6000, 7000, 8000, 9000, 2042.15, 2360, 2848 \times (14380) (14350) $^{-1}$, and 2854 $^{\circ}$ K, also for the reciprocal temperatures 0, 10, 20, 50 (50) 700 mireds ($^{\circ}\text{K}^{-1} \times 10^6$), for the wavelength range 0.35 (0.005) 0.80 microns, the value for radiation of wavelength 0.56 microns being 100. The absolute value for this wavelength of 0.56 microns is also given.

Introduction.

These tables of the relative spectral distribution of the power emitted by a Planckian radiator have been prepared for colorimetric investigations. Only relative values have been tabulated because these are generally preferred for this purpose and also because the absolute value depends directly on the value assigned to the constant C_1 of Planck's formula for which, at present, a value has not been agreed internationally. The absolute values can be obtained by multiplying the quoted values by a hundredth of the value for wavelength 0.56 microns at the end of each column.

Values for the colour temperature 2848 (14380)(14350) $^{-1}$ $^{\circ}$ K (referred to in the table as 2853.9 $^{\circ}$ K) have been included for comparison with those for 2354 $^{\circ}$ K because the colour temperature assigned to the present standard illuminant A for colorimetry is 2854 $^{\circ}$ K ($C_2 = 14380$), this being an approximation to 2848 (14380) (14350) $^{-1}$ $^{\circ}$ K.

The spectral distribution of power is calculated from Planck's formula

$$E_{\lambda\theta} = C_1 \lambda^5 \left[\exp\{C_2 (\lambda\theta)^{-1}\} - 1 \right]^{-1} d\lambda$$

where $E_{\lambda\theta}$ is the power radiated by the total radiator at the absolute temperature, θ , between the wavelengths $\lambda \pm d\lambda/2$ and C_1 and C_2 are constants. It has been agreed internationally by the Commission Internationale de l'Eclairage in 1951, that the value 1.438 cm. deg. should be used for

colorimetric...

colorimetric purposes. The value for C_1 has been calculated from the atomic constants and taken as $2\pi c^2 h$, c being the velocity of light, 2.99790×10^{10} cm/sec. and h , Planck's constant, 6.6242×10^{-27} erg.sec. This gives $C_1 = 3.7407 \times 10^{-5}$ erg.cm² sec⁻¹. If λ is expressed in cm, θ in degrees Kelvin and the waveband $d\lambda$ as 0.005 micron, then the Planck's formula gives the spectral distribution of power in ergs per sec. per sq.cm. of radiating area per 0.005 micron waveband radiated into the complete hemisphere (solid angle 2π). In each table these calculated values have been divided by the value for wavelength 0.56 microns (0.00056 cm) to enable the spectral distributions of power to be compared more easily over the visible range of the spectrum, and the absolute value is quoted only for the wavelength 0.56 microns. The index to the right of the quoted values indicates the power of 10.

The values have been calculated using the high speed computer (A.C.B.) of the Laboratory. The machine program has been made suitably flexible to allow for changes in constant C_2 , temperature or wavelength to be readily made. The values for a given temperature can be produced in about two minutes and are available on punched cards for subsequent calculation. The cards were converted into printed form by a card-controlled electric typewriter for reproduction by microfilm process.

The values have been produced to nine significant figures although the last figure is of little value.

Acknowledgments.

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These calculations have been carried out as a part of the research programme of the National Physical Laboratory and this paper is published by permission of the Director of the Laboratory.

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TABLE 1

1

Relative Power per Unit Wavelength Interval

Wavelength	Temperature (" K)		C ₂ = 1.438 cm. deg.	
(microns)	1000	1250	1500	1750
0.350	2.13482739 -4	4.65168393 -3	3.62890118 -2	1.57411206 -1
0.355	3.54711527 -4	6.88430215 -3	4.97183058 -2	2.04099594 -1
0.360	5.80547407 -4	1.00682895 -2	6.74581355 -2	2.62476446 -1
0.365	9.36536989 -4	1.45584492 -2	9.06793817 -2	3.34913203 -1
0.370	1.49003653 -3	2.08230311 -2	1.20811566 -1	4.24142335 -1
0.375	2.33937545 -3	2.94738393 -2	1.59585907 -1	5.33291002 -1
0.380	3.62632336 -3	4.13026261 -2	2.09082837 -1	6.65914906 -1
0.385	5.55286933 -3	5.73246298 -2	2.71783938 -1	8.26031946 -1
0.390	8.40353324 -3	7.88302597 -2	3.50628299 -1	1.01815511 +0
0.395	1.25747226 -2	1.07445861 -1	4.49073223 -1	1.24732455 +0
0.400	1.86129585 -2	1.45204607 -1	5.71158957 -1	1.51913813 +0
0.405	2.72641498 -2	1.94628563 -1	7.21577469 -1	1.83978015 +0
0.410	3.95365000 -2	2.58822931 -1	9.05744582 -1	2.21604796 +0
0.415	5.67800944 -2	3.41583452 -1	1.12987552 +0	2.65537584 +0
0.420	8.07866699 -2	4.47518004 -1	1.40106311 +0	3.16585654 +0
0.425	1.13913666 -1	5.82183349 -1	1.72735804 +0	3.75625867 +0
0.430	1.59237098 -1	7.52237537 -1	2.11785122 +0	4.43604159 +0
0.435	2.20738642 -1	9.65609933 -1	2.58275682 +0	5.21536625 +0
0.440	3.03532592 -1	1.23168495 +0	3.13349584 +0	6.10510144 +0
0.445	4.14139420 -1	1.56151180 +0	3.78277973 +0	7.11682760 +0
0.450	5.60812920 -1	1.96802192 +0	4.54469251 +0	8.26283446 +0
0.455	7.53928943 -1	2.46627203 +0	5.43477173 +0	9.55611563 +0
0.460	1.00644423 +0	3.07370343 +0	6.47008693 +0	1.10103592 +1
0.465	1.33443414 +0	3.81041951 +0	7.66931428 +0	1.26399327 +1
0.470	1.75771984 +0	4.69948082 +0	9.05280892 +0	1.44598656 +1
0.475	2.30059399 +0	5.76721850 +0	1.06426714 +1	1.64858253 +1
0.480	2.99265715 +0	7.04356232 +0	1.24628093 +1	1.87340914 +1
0.485	3.86977565 +0	8.56238862 +0	1.45389928 +1	2.12215259 +1
0.490	4.97517139 +0	1.03618757 +1	1.68989062 +1	2.39655372 +1
0.495	6.36065725 +0	1.24848810 +1	1.95721868 +1	2.69840427 +1
0.500	8.08802912 +0	1.49793227 +1	2.25904641 +1	3.02954311 +1
0.505	1.02306268 +1	1.78985748 +1	2.59873844 +1	3.39185131 +1
0.510	1.28750782 +1	2.13018702 +1	2.97986311 +1	3.78724787 +1
0.515	1.61232282 +1	2.52547099 +1	3.40619341 +1	4.21768492 +1
0.520	2.00942833 +1	2.98292752 +1	3.88170736 +1	4.68514211 +1
0.525	2.49271613 +1	3.51048405 +1	4.41058724 +1	5.19162175 +1
0.530	3.07830755 +1	4.11681885 +1	4.99721754 +1	5.73914359 +1
0.535	3.78483406 +1	4.81140289 +1	5.64618317 +1	6.32973851 +1
0.540	4.63374393 +1	5.60453869 +1	6.36226530 +1	6.96544369 +1
0.545	5.64963204 +1	6.50740201 +1	7.15043787 +1	7.64829645 +1
0.550	6.86059763 +1	7.53207926 +1	8.01586111 +1	8.38032891 +1
0.555	8.29862636 +1	8.69160563 +1	8.96387661 +1	9.16356208 +1
0.560	1.00000000 +2	1.00000000 +2	1.00000000 +2	1.00000000 +2
0.565	1.20057341 +2	1.14723019 +2	1.11299130 +2	1.08916246 +2
0.570	1.43620379 +2	1.31245988 +2	1.23594556 +2	1.18403904 +2
0.575	1.71208087 +2	1.49740613 +2	1.36946151 +2	1.28482185 +2
0.580	2.03401446 +2	1.70389676 +2	1.51415179 +2	1.39169908 +2
0.585	2.40848891 +2	1.93387269 +2	1.67064196 +2	1.50485474 +2
0.590	2.84272002 +2	2.18939079 +2	1.83956908 +2	1.62446786 +2
0.595	3.34471383 +2	2.47262491 +2	2.02158076 +2	1.75071230 +2
0.600	3.92332853 +2	2.78586793 +2	2.21733399 +2	1.88375594 +2
"	2.3929 -1	4.0676 +1	1.2482 +3	1.4400 +4

ρ is the power radiated per unit wavelength interval over the whole hemisphere by unit area of the Planckian radiator for the wavelength λ , μ microns. Unit is ergs per sec per sq. cm. per μ micron wavelength interval.

TABLE 1

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Relative Power per Unit Wavelength Interval

Wavelength (microns)	Temperature (°K)		C _a = 1.438 cm. deg.	
	1000	1250	1500	1750
0.600	3.92332853 +2	2.78586793 +2	2.21733399 +2	1.88375594 +2
0.605	4.58833869 +2	3.13153342 +2	2.42749375 +2	2.02376077 +2
0.610	5.35050034 +2	3.51215527 +2	2.65273157 +2	2.17088193 +2
0.615	6.22161941 +2	3.93093007 +2	2.89372461 +2	2.32526782 +2
0.620	7.21462062 +2	4.38901562 +2	3.15115403 +2	2.48705932 +2
0.625	8.34361950 +2	4.89093204 +2	3.42570343 +2	2.65638982 +2
0.630	9.62399489 +2	5.43915958 +2	3.71805792 +2	2.83330484 +2
0.635	1.10724618 +3	6.03683992 +2	4.02890220 +2	3.01816133 +2
0.640	1.27071454 +3	6.68723309 +2	4.35891978 +2	3.21082822 +2
0.645	1.45476596 +3	7.39371701 +2	4.70879101 +2	3.41148558 +2
0.650	1.66151781 +3	8.15978450 +2	5.07919174 +2	3.62022452 +2
0.655	1.89325132 +3	8.98904082 +2	5.47079235 +2	3.83712725 +2
0.660	2.15241893 +3	9.88520209 +2	5.88425599 +2	4.06226688 +2
0.665	2.44165217 +3	1.08520910 +3	6.32023735 +2	4.29570705 +2
0.670	2.76376852 +3	1.18936339 +3	6.77938139 +2	4.53750227 +2
0.675	3.12177923 +3	1.30138569 +3	7.26232187 +2	4.78769746 +2
0.680	3.51889652 +3	1.42168812 +3	7.76968065 +2	5.04632831 +2
0.685	3.95854027 +3	1.55069195 +3	8.30206548 +2	5.31342083 +2
0.690	4.44434535 +3	1.68882713 +3	8.86006976 +2	5.58899181 +2
0.695	4.98016777 +3	1.83653171 +3	9.44427111 +2	5.87304856 +2
0.700	5.57009129 +3	1.99425124 +3	1.00552296 +3	6.16558892 +2
0.705	6.21843428 +3	2.16243855 +3	1.06934884 +3	6.46660174 +2
0.710	6.92975385 +3	2.34155287 +3	1.13595706 +3	6.77606659 +2
0.715	7.70885340 +3	2.53205919 +3	1.20539799 +3	7.09395397 +2
0.720	8.56078569 +3	2.73442803 +3	1.27771994 +3	7.42022553 +2
0.725	9.49086024 +3	2.94913420 +3	1.35296901 +3	7.75483412 +2
0.730	1.05046442 +4	3.17665689 +3	1.43118909 +3	8.09772409 +2
0.735	1.16079700 +4	3.41747849 +3	1.51242178 +3	8.44883133 +2
0.740	1.28069362 +4	3.67208386 +3	1.59670622 +3	8.80808356 +2
0.745	1.41079120 +4	3.94096004 +3	1.68407922 +3	9.17540043 +2
0.750	1.55175386 +4	4.22459549 +3	1.77457501 +3	9.55069388 +2
0.755	1.70427333 +4	4.52347913 +3	1.86822538 +3	9.93386836 +2
0.760	1.86906891 +4	4.83809964 +3	1.96505943 +3	1.03248207 +3
0.765	2.04688761 +4	5.16894518 +3	2.06510369 +3	1.07234411 +3
0.770	2.23850436 +4	5.51650222 +3	2.16838210 +3	1.11296128 +3
0.775	2.44472182 +4	5.88125546 +3	2.27491582 +3	1.15432124 +3
0.780	2.66637045 +4	6.26368605 +3	2.38472335 +3	1.19641098 +3
0.785	2.90430836 +4	6.66427234 +3	2.49782096 +3	1.23921698 +3
0.790	3.15942110 +4	7.08348803 +3	2.61422050 +3	1.28272507 +3
0.795	3.43262166 +4	7.52180162 +3	2.73393355 +3	1.32692057 +3
0.800	3.72484987 +4	7.97967707 +3	2.85696734 +3	1.37178823 +3
m	2.3929 -1	4.0676 +1	1.2482 +3	1.4400 +4

m The power radiated per unit wavelength interval over the whole hemisphere by unit area of the Planckian radiator for the wavelength 0.56 microns. Unit is ergs per sec per sq. cm. per 0.005 micron wavelength interval.

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TABLE 1

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Relative Power per Unit Wavelength Interval

Wavelength (microns)	Temperature (°K)		C. = 1.438 cm. deg.	
	2000	2250	2500	2750
0.350	4.73129676 -1	1.11355568 +0	2.20846264 +0	3.86709362 +0
0.355	5.88620987 -1	1.34154592 +0	2.59306949 +0	4.44600662 +0
0.360	7.27162556 -1	1.60630241 +0	3.02814512 +0	5.08683693 +0
0.365	8.92276023 -1	1.91202189 +0	3.51787575 +0	5.79308970 +0
0.370	1.08783523 +0	2.26313993 +0	4.06651874 +0	6.56817472 +0
0.375	1.31807678 +0	2.66431875 +0	4.67837811 +0	7.41538374 +0
0.380	1.58760767 +0	3.12043302 +0	5.35778146 +0	8.33786875 +0
0.385	1.90141021 +0	3.63655295 +0	6.10905429 +0	9.33862196 +0
0.390	2.26484436 +0	4.21792567 +0	6.93649647 +0	1.04204561 +1
0.395	2.68364699 +0	4.86995444 +0	7.84435703 +0	1.19859892 +1
0.400	3.16392840 +0	5.59817730 +0	8.83680973 +0	1.28376274 +1
0.405	3.71216562 +0	6.40824217 +0	9.91793055 +0	1.41775534 +1
0.410	4.33519257 +0	7.30588336 +0	1.10916746 +1	1.56077132 +1
0.415	5.04018806 +0	8.29689478 +0	1.23618543 +1	1.71298083 +1
0.420	5.83466016 +0	9.38710496 +0	1.37321190 +1	1.87452861 +1
0.425	6.72642839 +0	1.05823489 +1	1.52059367 +1	2.04553360 +1
0.430	7.72360271 +0	1.18884422 +1	1.67865741 +1	2.22608843 +1
0.435	8.83456121 +0	1.33111533 +1	1.84777031 +1	2.41625911 +1
0.440	1.00679239 +1	1.48561779 +1	2.02802861 +1	2.61608531 +1
0.445	1.14325264 +1	1.65291122 +1	2.21987593 +1	2.82558015 +1
0.450	1.29373904 +1	1.83354270 +1	2.42348278 +1	3.04473042 +1
0.455	1.45916932 +1	2.02804450 +1	2.63905499 +1	3.27349731 +1
0.460	1.64047366 +1	2.23693150 +1	2.86677133 +1	3.51181681 +1
0.465	1.83859125 +1	2.46069903 +1	3.10678282 +1	3.75960002 +1
0.470	2.05446712 +1	2.69982082 +1	3.35921218 +1	4.01673438 +1
0.475	2.28904851 +1	2.95474704 +1	3.62415370 +1	4.28308446 +1
0.480	2.54328155 +1	3.22590232 +1	3.90167274 +1	4.55849250 +1
0.485	2.81810793 +1	3.51368427 +1	4.19180652 +1	4.84277983 +1
0.490	3.11446118 +1	3.81846183 +1	4.49456321 +1	5.13574781 +1
0.495	3.43326343 +1	4.14057408 +1	4.80992324 +1	5.43717878 +1
0.500	3.77542202 +1	4.48032891 +1	5.13783908 +1	5.74683764 +1
0.505	4.14182626 +1	4.83880208 +1	5.47823590 +1	6.06447246 +1
0.510	4.53334466 +1	5.21383640 +1	5.83101229 +1	6.38981626 +1
0.515	4.95082095 +1	5.60804107 +1	6.19604101 +1	6.72258789 +1
0.520	5.39507203 +1	6.02079896 +1	6.57316978 +1	7.06249312 +1
0.525	5.86688478 +1	6.45222643 +1	6.96222188 +1	7.40922671 +1
0.530	6.36701398 +1	6.90245353 +1	7.36299741 +1	7.76247250 +1
0.535	6.89617882 +1	7.37154310 +1	7.77527478 +1	8.12190538 +1
0.540	7.45506179 +1	7.85953124 +1	8.19881054 +1	8.48719216 +1
0.545	8.04430541 +1	8.36642016 +1	8.63334184 +1	8.85799288 +1
0.550	8.66451141 +1	8.89217754 +1	9.07858627 +1	9.23396198 +1
0.555	9.31623830 +1	9.43673712 +1	9.53424456 +1	9.61474892 +1
0.560	1.00000000 +2	1.00000000 +2	1.00000000 +2	1.00000000 +2
0.565	1.07162651 +2	1.05818351 +2	1.04755217 +2	1.03893591 +2
0.570	1.14654540 +2	1.11820795 +2	1.09604634 +2	1.07824686 +2
0.575	1.22479401 +2	1.18005391 +2	1.14544668 +2	1.11789697 +2
0.580	1.30640473 +2	1.24369908 +2	1.19571619 +2	1.15785045 +2
0.585	1.39140503 +2	1.30911821 +2	1.24681674 +2	1.19807161 +2
0.590	1.47981744 +2	1.37628335 +2	1.29870941 +2	1.23852500 +2
0.595	1.57165941 +2	1.44516382 +2	1.35135435 +2	1.27917535 +2
0.600	1.66694335 +2	1.51572645 +2	1.40471099 +2	1.31998786 +2
n	9.0147 +4	3.7542 +5	1.1754 +6	2.9904 +6

The power radiated per unit wavelength interval over the whole hemisphere by unit area of the Planckian radiator for the wavelength 0.56 microns. Unit is ergs per sec per sq. cm. per 0.05 micron wavelength interval.

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TABLE 1

Relative Power per Unit Wavelength Interval

Wavelength (microns)	Temperature ($^{\circ}$ K)				$C_2 = 1.438$ cm. deg.			
	2000		2250		2500		2750	
0.600	1.66694335	+2	1.51572645	+2	1.40471099	+2	1.31998786	+2
0.605	1.76567681	+2	1.58793562	+2	1.45873833	+2	1.36092801	+2
0.610	1.86786217	+2	1.66175345	+2	1.51339462	+2	1.40196182	+2
0.615	1.97349704	+2	1.73713990	+2	1.56863805	+2	1.44305587	+2
0.620	2.08257397	+2	1.81405292	+2	1.62442623	+2	1.48417731	+2
0.625	2.19508074	+2	1.89244848	+2	1.68071683	+2	1.52529383	+2
0.630	2.31100047	+2	1.97228085	+2	1.73746721	+2	1.56637391	+2
0.635	2.43031155	+2	2.05350263	+2	1.79463493	+2	1.60738672	+2
0.640	2.55298768	+2	2.13606493	+2	1.85217749	+2	1.64830207	+2
0.645	2.67899841	+2	2.21991754	+2	1.91005269	+2	1.68909077	+2
0.650	2.80830869	+2	2.30500887	+2	1.96821850	+2	1.72972423	+2
0.655	2.94087944	+2	2.39128632	+2	2.02663313	+2	1.77017479	+2
0.660	3.07666736	+2	2.47869626	+2	2.08525931	+2	1.81041566	+2
0.665	3.21562542	+2	2.56718430	+2	2.14404415	+2	1.85042083	+2
0.670	3.35770263	+2	2.65669509	+2	2.20295930	+2	1.89016531	+2
0.675	3.50284444	+2	2.74717288	+2	2.26196097	+2	1.92962490	+2
0.680	3.65099294	+2	2.83856122	+2	2.32100996	+2	1.96877636	+2
0.685	3.80208676	+2	2.93080345	+2	2.38006775	+2	2.00759733	+2
0.690	3.95606154	+2	3.02384242	+2	2.43909660	+2	2.04606643	+2
0.695	4.11284981	+2	3.11762096	+2	2.49805942	+2	2.08416306	+2
0.700	4.27238127	+2	3.21208169	+2	2.55691992	+2	2.12186772	+2
0.705	4.43458326	+2	3.30716737	+2	2.61564273	+2	2.15916167	+2
0.710	4.59938027	+2	3.40282071	+2	2.67419326	+2	2.19602712	+2
0.715	4.76669484	+2	3.49898480	+2	2.73253778	+2	2.23244725	+2
0.720	4.93644706	+2	3.59560279	+2	2.79064352	+2	2.26840606	+2
0.725	5.10855539	+2	3.69261834	+2	2.84847854	+2	2.30388843	+2
0.730	5.28293616	+2	3.78997560	+2	2.90601196	+2	2.33888014	+2
0.735	5.45950440	+2	3.88761900	+2	2.96321382	+2	2.37336782	+2
0.740	5.63817338	+2	3.98549381	+2	3.02005502	+2	2.40733889	+2
0.745	5.81885527	+2	4.08354568	+2	3.07650754	+2	2.44078170	+2
0.750	6.00146094	+2	4.18172120	+2	3.13254437	+2	2.47368534	+2
0.755	6.18590040	+2	4.27996756	+2	3.18813942	+2	2.50603973	+2
0.760	6.37208277	+2	4.37823287	+2	3.24326756	+2	2.53783551	+2
0.765	6.55991632	+2	4.47646603	+2	3.29790472	+2	2.56906418	+2
0.770	6.74930902	+2	4.57461674	+2	3.35202777	+2	2.59971792	+2
0.775	6.94016819	+2	4.67263588	+2	3.40561467	+2	2.62978961	+2
0.780	7.13240100	+2	4.77047517	+2	3.45864416	+2	2.65927284	+2
0.785	7.32591444	+2	4.86808728	+2	3.51109614	+2	2.68816197	+2
0.790	7.52061538	+2	4.96542612	+2	3.56295141	+2	2.71645197	+2
0.795	7.71641098	+2	5.06244657	+2	3.61419160	+2	2.74413838	+2
0.800	7.91320842	+2	5.15910458	+2	3.66479956	+2	2.77121750	+2
n	9.0147	+4	3 7542	+5	1.1754	+6	2.9904	+6

Note: Power radiated per unit wavelength interval over the whole hemisphere by unit area of the black-body radiator for the wavelength C_2 microns. Unit is ergs per sec. per sq. cm. per C_2 micron wavelength interval.

Relative Power per Unit Wavelength Interval

Wavelength (microns)	Temperature (°K)		$C_2 = 1.438 \text{ cm. deg.}$	
	3000		3250	3500
0.350	6.16743752	+0	9.15373335	+0
0.355	6.96746315	+0	1.01888318	+1
0.360	7.83697462	+0	1.12962267	+1
0.365	8.77828714	+0	1.24767553	+1
0.370	9.79349674	+0	1.37309720	+1
0.375	1.08844659	+1	1.50591476	+1
0.380	1.20528140	+1	1.64612710	+1
0.385	1.32999063	+1	1.79370543	+1
0.390	1.46260487	+1	1.94859380	+1
0.395	1.60344837	+1	2.11071003	+1
0.400	1.75233865	+1	2.27994660	+1
0.405	1.90938663	+1	2.45617169	+1
0.410	2.07459666	+1	2.63923059	+1
0.415	2.24794691	+1	2.82894686	+1
0.420	2.42938997	+1	3.02512379	+1
0.425	2.61885321	+1	3.22754579	+1
0.430	2.81623995	+1	3.43598013	+1
0.435	3.02143002	+1	3.65017815	+1
0.440	3.23428096	+1	3.86987709	+1
0.445	3.45462907	+1	4.09480148	+1
0.450	3.68229054	+1	4.32466485	+1
0.455	3.91706268	+1	4.55917099	+1
0.460	4.15872534	+1	4.79801569	+1
0.465	4.40704192	+1	5.04088823	+1
0.470	4.66176102	+1	5.28747239	+1
0.475	4.92261771	+1	5.53744828	+1
0.480	5.18935472	+1	5.79049347	+1
0.485	5.46162383	+1	6.04628401	+1
0.490	5.73918758	+1	6.30449602	+1
0.495	6.02171985	+1	6.56480626	+1
0.500	6.30890787	+1	6.82689359	+1
0.505	6.60043299	+1	7.09043992	+1
0.510	6.89597215	+1	7.35513074	+1
0.515	7.19519881	+1	7.62065648	+1
0.520	7.49778436	+1	7.88671263	+1
0.525	7.80339901	+1	8.15300100	+1
0.530	8.11171253	+1	8.41923003	+1
0.535	8.42239582	+1	8.68511532	+1
0.540	8.73512121	+1	8.95038048	+1
0.545	9.04956399	+1	9.21475673	+1
0.550	9.36540226	+1	9.47798459	+1
0.555	9.68231854	+1	9.73981314	+1
0.560	1.00000000	+2	1.00000000	+2
0.565	1.03181393	+2	1.02583133	+2
0.570	1.06364350	+2	1.05145295	+2
0.575	1.09545919	+2	1.07684358	+2
0.580	1.12723217	+2	1.10198283	+2
0.585	1.15893444	+2	1.12685152	+2
0.590	1.19053863	+2	1.15143067	+2
0.595	1.22201826	+2	1.17570343	+2
0.600	1.25334766	+2	1.19965319	+2
m	6.5120	+6	1.2582	+7
				2.2129 +7

m The power radiated per unit wavelength interval over the whole hemisphere by unit area of the Planckian radiator for the wavelength 0.56 microns. Unit is ergs per sec per sq. cm. per 0.005 micron wavelength interval.

Na 1630

TABLE 1

6

Relative Power per Unit Wavelength Interval

Wavelength	Temperature ($^{\circ}$ K)		$C_{\lambda}=1.438$ cm. deg.	
(microns)	3000		3250	3500
0.600	1.25334766	+2	1.19965319	+2
0.605	1.28450205	+2	1.22326441	+2
0.610	1.31545745	+2	1.24652261	+2
0.615	1.34619083	+2	1.26941417	+2
0.620	1.37668006	+2	1.29192644	+2
0.625	1.40690389	+2	1.31404769	+2
0.630	1.43684202	+2	1.33576702	+2
0.635	1.46647503	+2	1.35707448	+2
0.640	1.49578450	+2	1.37796091	+2
0.645	1.52475286	+2	1.39841804	+2
0.650	1.55336343	+2	1.41843836	+2
0.655	1.58160054	+2	1.43801517	+2
0.660	1.60944931	+2	1.45714252	+2
0.665	1.63689581	+2	1.47581518	+2
0.670	1.66392696	+2	1.49402868	+2
0.675	1.69053053	+2	1.51177919	+2
0.680	1.71669520	+2	1.52906355	+2
0.685	1.74241037	+2	1.54587923	+2
0.690	1.76766634	+2	1.56222432	+2
0.695	1.79245418	+2	1.57809751	+2
0.700	1.81676569	+2	1.59349800	+2
0.705	1.84059349	+2	1.60842558	+2
0.710	1.86393089	+2	1.62288050	+2
0.715	1.88677190	+2	1.63686352	+2
0.720	1.90911129	+2	1.65037586	+2
0.725	1.93094439	+2	1.66341914	+2
0.730	1.95226727	+2	1.67599548	+2
0.735	1.97307659	+2	1.68810729	+2
0.740	1.99336959	+2	1.69975741	+2
0.745	2.01314413	+2	1.71094903	+2
0.750	2.03239857	+2	1.72168562	+2
0.755	2.05113190	+2	1.73197100	+2
0.760	2.06934354	+2	1.74180928	+2
0.765	2.08703341	+2	1.75120480	+2
0.770	2.10420196	+2	1.76016217	+2
0.775	2.12085003	+2	1.76868622	+2
0.780	2.13697889	+2	1.77678205	+2
0.785	2.15259027	+2	1.78445488	+2
0.790	2.16768625	+2	1.79171015	+2
0.795	2.18226928	+2	1.79855346	+2
0.800	2.19634216	+2	1.80499057	+2
π	6.5120	+6	1.2582	+7
				2.2129 +7

The power radiated per unit wavelength interval over the whole hemisphere by unit area of the Planckian radiator for the wavelength C_{λ} microns. Unit is ergs per sec per sq. cm. per 0.005 micron wavelength interval. Na 1638

TABLE 1

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Relative Power per Unit Wavelength Interval

Wavelength (microns)	Temperature (°K)		$C_1 = 1.438 \text{ cm. deg.}$	
	6000	7000	8000	9000
0.350	7.93962410 +1	1.13425607 +2	1.47524556 +2	1.80252203 +2
0.355	8.14574533 +1	1.14793583 +2	1.47798444 +2	1.79186916 +2
0.360	8.34319258 +1	1.16028178 +2	1.47925208 +2	1.77991088 +2
0.365	8.53179271 +1	1.17132632 +2	1.47912652 +2	1.76675542 +2
0.370	8.71141794 +1	1.18110460 +2	1.47768493 +2	1.75250608 +2
0.375	8.88198229 +1	1.18965410 +2	1.47500317 +2	1.73726118 +2
0.380	9.04343905 +1	1.19701412 +2	1.47115557 +2	1.72111410 +2
0.385	9.19577726 +1	1.20322549 +2	1.46621462 +2	1.70415326 +2
0.390	9.33901890 +1	1.20833009 +2	1.46025084 +2	1.68646225 +2
0.395	9.47321611 +1	1.21237057 +2	1.45333256 +2	1.66811988 +2
0.400	9.59844810 +1	1.21539014 +2	1.44552584 +2	1.64920039 +2
0.405	9.71481875 +1	1.21743213 +2	1.43689433 +2	1.62977347 +2
0.410	9.82245366 +1	1.21853995 +2	1.42749926 +2	1.60990449 +2
0.415	9.92149797 +1	1.21875673 +2	1.41739933 +2	1.58965462 +2
0.420	1.00121141 +2	1.21812525 +2	1.40665077 +2	1.56908106 +2
0.425	1.00944793 +2	1.21668772 +2	1.39530732 +2	1.54823712 +2
0.430	1.01687837 +2	1.21448565 +2	1.38342017 +2	1.52717245 +2
0.435	1.02352285 +2	1.21159979 +2	1.37103810 +2	1.50593320 +2
0.440	1.02940240 +2	1.20794993 +2	1.35820743 +2	1.48456221 +2
0.445	1.03453884 +2	1.20369494 +2	1.34497211 +2	1.46309913 +2
0.450	1.03895457 +2	1.19883261 +2	1.33137380 +2	1.44158062 +2
0.455	1.04267247 +2	1.19339962 +2	1.31745186 +2	1.42004056 +2
0.460	1.04571576 +2	1.18743154 +2	1.30324350 +2	1.39851008 +2
0.465	1.04810788 +2	1.18096273 +2	1.28878380 +2	1.37701785 +2
0.470	1.04987238 +2	1.17402642 +2	1.27410579 +2	1.35559014 +2
0.475	1.05103288 +2	1.16665455 +2	1.25924054 +2	1.33425102 +2
0.480	1.05161288 +2	1.15887790 +2	1.24421722 +2	1.31302249 +2
0.485	1.05163577 +2	1.15072604 +2	1.22906321 +2	1.29192436 +2
0.490	1.05112476 +2	1.14222731 +2	1.21380413 +2	1.27097497 +2
0.495	1.05010273 +2	1.13340888 +2	1.19846395 +2	1.25019073 +2
0.500	1.04859230 +2	1.12429675 +2	1.18306507 +2	1.22958644 +2
0.505	1.04661568 +2	1.11491573 +2	1.16762836 +2	1.20917542 +2
0.510	1.04419471 +2	1.10528952 +2	1.15217328 +2	1.18896963 +2
0.515	1.04135076 +2	1.09544072 +2	1.13671791 +2	1.16897967 +2
0.520	1.03810474 +2	1.08539082 +2	1.12127902 +2	1.14921498 +2
0.525	1.03447706 +2	1.07516028 +2	1.10587218 +2	1.12968384 +2
0.530	1.03048763 +2	1.06476855 +2	1.09051181 +2	1.11039349 +2
0.535	1.02615580 +2	1.05423402 +2	1.07521117 +2	1.09135020 +2
0.540	1.02150039 +2	1.04357423 +2	1.05998255 +2	1.07255935 +2
0.545	1.01653970 +2	1.03280569 +2	1.04483720 +2	1.05402548 +2
0.550	1.01129139 +2	1.02194408 +2	1.02978548 +2	1.03575237 +2
0.555	1.00577264 +2	1.01100419 +2	1.01483686 +2	1.01774307 +2
0.560	1.00000000 +2	1.00000000 +2	1.00000000 +2	1.00000000 +2
0.565	9.93989506 +1	9.88944671 +1	9.85282785 +1	9.82524969 +1
0.570	9.87756614 +1	9.77850626 +1	9.70692357 +1	9.65319232 +1
0.575	9.81316210 +1	9.66729535 +1	9.56235191 +1	9.48383524 +1
0.580	9.74682639 +1	9.55592366 +1	9.41917115 +1	9.31718132 +1
0.585	9.67869727 +1	9.44449431 +1	9.27743355 +1	9.15322902 +1
0.590	9.60890731 +1	9.33310392 +1	9.13718580 +1	8.99197307 +1
0.595	9.53758389 +1	9.22184304 +1	8.99846921 +1	8.83340445 +1
0.600	9.46484950 +1	9.11079610 +1	8.86132021 +1	8.67751107 +1
"	4.7683 +8	8.8932 +8	1.4285 +9	2.0781 +9

The power radiated per unit wavelength interval over the whole hemisphere by unit area of the Planckian radiator for the wavelength 0.56 microns. Unit is ergs per sec per sq. cm. per 0.005 micron wavelength interval.

Ma 1638

TABLE 1

Relative Power per Unit Wavelength Interval

Wavelength	Temperature (°K)		$C_2 = 1.438 \text{ cm. deg.}$	
(microns)	6000	7000	8000	9000
0.600	9.46484950 +1	9.11079610 +1	8.86132021 +1	8.67751107 +1
0.605	9.39082135 +1	9.00004236 +1	8.72577076 +1	8.52427778 +1
0.610	9.31561167 +1	8.88965544 +1	8.59184825 +1	8.37368686 +1
0.615	9.23932815 +1	8.77970415 +1	8.45957634 +1	8.22571819 +1
0.620	9.16207368 +1	8.67025223 +1	8.32897468 +1	8.08034950 +1
0.625	9.08394641 +1	8.56135909 +1	8.20005963 +1	7.93755648 +1
0.630	9.00504036 +1	8.45307975 +1	8.07284428 +1	7.79731323 +1
0.635	8.92544503 +1	8.34546486 +1	7.94733869 +1	7.65959220 +1
0.640	8.84524597 +1	8.23856155 +1	7.82355005 +1	7.52436454 +1
0.645	8.76452456 +1	8.13241296 +1	7.70148315 +1	7.39160025 +1
0.650	8.68335821 +1	8.02705881 +1	7.58114021 +1	7.26126816 +1
0.655	8.60182070 +1	7.92253547 +1	7.46252134 +1	7.13333629 +1
0.660	8.51998212 +1	7.81807623 +1	7.34562451 +1	7.00777180 +1
0.665	8.43790898 +1	7.71611132 +1	7.23044597 +1	6.88454138 +1
0.670	8.35566447 +1	7.61426824 +1	7.11698000 +1	6.76361091 +1
0.675	8.27330851 +1	7.51337175 +1	7.00521947 +1	6.64494605 +1
0.680	8.19089782 +1	7.41344420 +1	6.89515579 +1	6.52851196 +1
0.685	8.10848615 +1	7.31450550 +1	6.78677890 +1	6.41427366 +1
0.690	8.02612428 +1	7.21657337 +1	6.68007765 +1	6.30219582 +1
0.695	7.94386030 +1	7.11966351 +1	6.57503968 +1	6.19224319 +1
0.700	7.86173942 +1	7.02378945 +1	6.47165163 +1	6.08438028 +1
0.705	7.77980449 +1	6.92896308 +1	6.36989936 +1	5.97857175 +1
0.710	7.69809571 +1	6.83519442 +1	6.26976767 +1	5.87478224 +1
0.715	7.61665101 +1	6.74249191 +1	6.17124084 +1	5.77297658 +1
0.720	7.53550606 +1	6.65086243 +1	6.07430231 +1	5.67311963 +1
0.725	7.45469421 +1	6.56031141 +1	5.97893506 +1	5.57517659 +1
0.730	7.37424692 +1	6.47084299 +1	5.88512143 +1	5.47911284 +1
0.735	7.29419354 +1	6.38245996 +1	5.79284341 +1	5.38489401 +1
0.740	7.21456153 +1	6.29516406 +1	5.70208248 +1	5.29248606 +1
0.745	7.13537652 +1	6.20895579 +1	5.61281984 +1	5.20185523 +1
0.750	7.05666242 +1	6.12383468 +1	5.52503633 +1	5.11296816 +1
0.755	6.97844155 +1	6.03979931 +1	5.43871261 +1	5.02579183 +1
0.760	6.90073449 +1	5.95684737 +1	5.35382912 +1	4.94029368 +1
0.765	6.82356041 +1	5.87497573 +1	5.27036604 +1	4.85644148 +1
0.770	6.74693704 +1	5.79418047 +1	5.18830355 +1	4.77420338 +1
0.775	6.67088069 +1	5.71445696 +1	5.10762166 +1	4.69354808 +1
0.780	6.59540638 +1	5.63579988 +1	5.02830032 +1	4.61444465 +1
0.785	6.52052791 +1	5.55820338 +1	4.95031945 +1	4.53686261 +1
0.790	6.44625788 +1	5.48166096 +1	4.87365901 +1	4.46077201 +1
0.795	6.37260774 +1	5.40616568 +1	4.79829893 +1	4.38614327 +1
0.800	6.29958786 +1	5.33171002 +1	4.72421921 +1	4.31294737 +1
∞	4.7683 +8	8.8932 +8	1.4285 +9	2.0781 +9

* The power radiated per unit wavelength interval over the whole hemisphere by unit area of the Planckian radiator for the wavelength 0.56 microns. Unit is ergs per sec per sq. cm. per 0.005 micron wavelength interval.

TABLE 1

Relative Power per Unit Wavelength Interval

Wavelength (microns)	Temperature ($^{\circ}$ K)		$C_2 = 1.438$ cm. deg.	
	2042.15	2360	2853.9	2854
0.350	5.54668438 -1	1.53222229 +0	4.74238365 +0	4.74279620 +0
0.355	6.85954615 -1	1.82393453 +0	5.41069935 +0	5.41115230 +0
0.360	8.42499557 -1	2.15858668 +0	6.14461779 +0	6.14511269 +0
0.365	1.02798069 +0	2.54045901 +0	6.94719897 +0	6.94773706 +0
0.370	1.24641510 +0	2.97399988 +0	7.82134937 +0	7.82193164 +0
0.375	1.50216543 +0	3.46380691 +0	8.76980235 +0	8.77042948 +0
0.380	1.79994333 +0	4.01460654 +0	9.79509956 +0	9.79577231 +0
0.385	2.14480987 +0	4.63123238 +0	1.08995762 +1	1.09002943 +1
0.390	2.54217336 +0	5.31860176 +0	1.20853453 +1	1.20861090 +1
0.395	2.99778396 +0	6.08169211 +0	1.33540826 +1	1.33550958 +1
0.400	3.51772622 +0	6.92551585 +0	1.47080383 +1	1.47088913 +1
0.405	4.10840762 +0	7.85509472 +0	1.61479841 +1	1.61488799 +1
0.410	4.77654520 +0	8.87543561 +0	1.76752522 +1	1.76761895 +1
0.415	5.52914933 +0	9.99150301 +0	1.92907090 +1	1.92916860 +1
0.420	6.37350508 +0	1.12081965 +1	2.09959757 +1	2.09959716 +1
0.425	7.31715007 +0	1.25303235 +1	2.27883364 +1	2.27893857 +1
0.430	8.36785300 +0	1.39625771 +1	2.46709227 +1	2.46720038 +1
0.435	9.53358598 +0	1.55095115 +1	2.66425333 +1	2.66436429 +1
0.440	1.08224996 +1	1.71755211 +1	2.87027305 +1	2.87038652 +1
0.445	1.24248932 +1	1.89648186 +1	3.08548268 +1	3.08519825 +1
0.450	1.38031848 +1	2.08814174 +1	3.30858929 +1	3.30870653 +1
0.455	1.55118803 +1	2.29291095 +1	3.54067659 +1	3.54077950 +1
0.460	1.73775421 +1	2.51114526 +1	3.78120565 +1	3.78132483 +1
0.465	1.94087579 +1	2.74317538 +1	4.03001630 +1	4.03013561 +1
0.470	2.16141047 +1	2.98930540 +1	4.28692760 +1	4.28704661 +1
0.475	2.40021208 +1	3.24981198 +1	4.55173970 +1	4.55185772 +1
0.480	2.65812679 +1	3.52494312 +1	4.82423434 +1	4.82435086 +1
0.485	2.93599048 +1	3.81491709 +1	5.10417648 +1	5.10429081 +1
0.490	3.23462522 +1	4.11992209 +1	5.39131531 +1	5.39142700 +1
0.495	3.55483612 +1	4.44011576 +1	5.68538593 +1	5.68549413 +1
0.500	3.89740867 +1	4.77562436 +1	5.98610990 +1	5.98621400 +1
0.505	4.26310571 +1	5.12654301 +1	6.29319729 +1	6.29329663 +1
0.510	4.65266468 +1	5.49293526 +1	6.60634734 +1	6.60644118 +1
0.515	5.06679498 +1	5.87483361 +1	6.92525001 +1	6.92533765 +1
0.520	5.50617554 +1	6.27223950 +1	7.24958718 +1	7.24966802 +1
0.525	5.97145268 +1	6.68512308 +1	7.57903398 +1	7.57910722 +1
0.530	6.46323759 +1	7.11342456 +1	7.91325948 +1	7.91332439 +1
0.535	6.98210493 +1	7.55705430 +1	8.25192841 +1	8.25198431 +1
0.540	7.52859049 +1	8.01589373 +1	8.59470189 +1	8.59474794 +1
0.545	8.10319038 +1	8.48979582 +1	8.94123857 +1	8.94127423 +1
0.550	8.70635817 +1	8.97858596 +1	9.29119599 +1	9.29122044 +1
0.555	9.33850548 +1	9.48206293 +1	9.64423063 +1	9.64424328 +1
0.560	1.00000000 +2	1.00000000 +2	1.00000000 +2	1.00000000 +2
0.565	1.06911639 +2	1.05321456 +2	1.03581627 +2	1.03581494 +2
0.570	1.14122746 +2	1.10782254 +2	1.07183796 +2	1.07183523 +2
0.575	1.21635636 +2	1.16379423 +2	1.10803141 +2	1.10802723 +2
0.580	1.29452164 +2	1.22109774 +2	1.14436338 +2	1.14435767 +2
0.585	1.37573709 +2	1.27969933 +2	1.18080104 +2	1.18079372 +2
0.590	1.46001195 +2	1.33956327 +2	1.21731201 +2	1.21730306 +2
0.595	1.54735089 +2	1.40065210 +2	1.25386453 +2	1.25385384 +2
0.600	1.63775383 +2	1.46292677 +2	1.29042739 +2	1.29041494 +2
Σ	1.1750 +5	6.3906 +5	4.2020 +6	4.202 6 +6

Σ The power radiated per unit wavelength interval over the whole hemisphere by unit area of the Planckian radiator for the wavelength 0.56 microns. Unit is ergs per sec per sq. cm. per 0.005 micron wavelength interval.

TABLE 1

Relative Power per Unit Wavelength Interval

Wavelength (microns)	Temperature (°K)		$C_{\lambda} - 1.438 \text{ cm. deg.}$	
	2042.15	2360	2853.9	2854
0.600	1.63775383 +2	1.46292677 +2	1.29042739 +2	1.29041494 +2
0.605	1.73121627 +2	1.52634669 +2	1.32697005 +2	1.32695577 +2
0.610	1.82772911 +2	1.59086999 +2	1.36346268 +2	1.36344650 +2
0.615	1.92727888 +2	1.65645338 +2	1.39987612 +2	1.39985802 +2
0.620	2.02984776 +2	1.72305264 +2	1.43618205 +2	1.43616194 +2
0.625	2.13541371 +2	1.79062237 +2	1.47235292 +2	1.47233075 +2
0.630	2.24395039 +2	1.85911640 +2	1.50836196 +2	1.50833770 +2
0.635	2.35542750 +2	1.92848779 +2	1.54418328 +2	1.54415688 +2
0.640	2.46981081 +2	1.99868876 +2	1.57979186 +2	1.57976328 +2
0.645	2.58706239 +2	2.06967131 +2	1.61516356 +2	1.61513276 +2
0.650	2.70714046 +2	2.14138674 +2	1.65027510 +2	1.65024204 +2
0.655	2.82999976 +2	2.21378613 +2	1.68510413 +2	1.68506878 +2
0.660	2.95559169 +2	2.28682031 +2	1.71962921 +2	1.71959151 +2
0.665	3.08386444 +2	2.36043996 +2	1.75382976 +2	1.75378970 +2
0.670	3.21476293 +2	2.43459572 +2	1.78768618 +2	1.78764372 +2
0.675	3.34822938 +2	2.50923839 +2	1.82117974 +2	1.82113485 +2
0.680	3.48420309 +2	2.58431874 +2	1.85429261 +2	1.85424526 +2
0.685	3.62262069 +2	2.65978792 +2	1.88700786 +2	1.88695805 +2
0.690	3.76341651 +2	2.73559722 +2	1.91930951 +2	1.91925720 +2
0.695	3.90652246 +2	2.81169841 +2	1.95118240 +2	1.95112757 +2
0.700	4.05186836 +2	2.88804377 +2	1.98261224 +2	1.98255490 +2
0.705	4.19938196 +2	2.96458587 +2	2.01358567 +2	2.01352578 +2
0.710	4.34898939 +2	3.04127805 +2	2.04409010 +2	2.04402765 +2
0.715	4.50061484 +2	3.11807414 +2	2.07411382 +2	2.07404879 +2
0.720	4.65418121 +2	3.19492882 +2	2.10364593 +2	2.10357834 +2
0.725	4.80960998 +2	3.27179731 +2	2.13267632 +2	2.13260616 +2
0.730	4.96682137 +2	3.34863568 +2	2.16119567 +2	2.16112290 +2
0.735	5.12573460 +2	3.42540093 +2	2.18919542 +2	2.18912007 +2
0.740	5.28626798 +2	3.50205068 +2	2.21666776 +2	2.21658982 +2
0.745	5.44833897 +2	3.57854369 +2	2.24360564 +2	2.24352511 +2
0.750	5.61186449 +2	3.65483948 +2	2.27000266 +2	2.26991954 +2
0.755	5.77676103 +2	3.73089857 +2	2.29585312 +2	2.29576743 +2
0.760	5.94294436 +2	3.80668253 +2	2.32115202 +2	2.32106376 +2
0.765	6.11033049 +2	3.88215379 +2	2.34589500 +2	2.34580417 +2
0.770	6.27883504 +2	3.95727590 +2	2.37007831 +2	2.36998491 +2
0.775	6.44837360 +2	4.03201342 +2	2.39369880 +2	2.39360284 +2
0.780	6.61886203 +2	4.10633193 +2	2.41675390 +2	2.41665543 +2
0.785	6.79021622 +2	4.18019819 +2	2.43924164 +2	2.43914065 +2
0.790	6.96235241 +2	4.25357983 +2	2.46116056 +2	2.46105706 +2
0.795	7.13518763 +2	4.32644578 +2	2.48250975 +2	2.48240376 +2
0.800	7.30863887 +2	4.39876585 +2	2.50328874 +2	2.50318030 +2
"	1.1750 +5	6.3906 +5	4.2020 +6	4.2026 +6

The power radiated per unit wavelength interval over the whole hemisphere by unit area of the Planckian radiator for the wavelength λ , 56 microns. Unit is ergs per sec per sq.cm. per 0.005 micron wavelength interval.

TABLE 1

11

Relative Power per Unit Wavelength Interval

Wavelength	Temperature (Mireds)		$C_2 = 1.438$ cm. deg.	
(microns)	0	50	100	150
0.350	6.55360001 +2	4.02516273 +2	2.10869823 +2	1.01977757 +2
0.355	6.19211048 +2	3.87637873 +2	2.08341956 +2	1.03629678 +2
0.360	5.85520500 +2	3.73387316 +2	2.05723960 +2	1.05160209 +2
0.365	5.54090431 +2	3.59737161 +2	2.03027803 +2	1.06570887 +2
0.370	5.24741258 +2	3.46660980 +2	2.00264636 +2	1.07863618 +2
0.375	4.97309823 +2	3.34133343 +2	1.97444809 +2	1.09040627 +2
0.380	4.71647702 +2	3.22129836 +2	1.94577924 +2	1.10104419 +2
0.385	4.47619699 +2	3.10627029 +2	1.91672854 +2	1.11057735 +2
0.390	4.25102521 +2	2.99602476 +2	1.88737795 +2	1.11903521 +2
0.395	4.03983592 +2	2.89034683 +2	1.85780295 +2	1.12644885 +2
0.400	3.84160000 +2	2.78903089 +2	1.82807286 +2	1.13285074 +2
0.405	3.65537566 +2	2.69188044 +2	1.79825129 +2	1.13827443 +2
0.410	3.48030000 +2	2.59870771 +2	1.76839641 +2	1.14275424 +2
0.415	3.31558160 +2	2.50933342 +2	1.73856133 +2	1.14632510 +2
0.420	3.16049383 +2	2.42358649 +2	1.70879437 +2	1.14902227 +2
0.425	3.01436882 +2	2.34130368 +2	1.67913945 +2	1.15088119 +2
0.430	2.87659212 +2	2.26232934 +2	1.64963629 +2	1.15193728 +2
0.435	2.74659788 +2	2.18651503 +2	1.62032075 +2	1.15225758 +2
0.440	2.62386449 +2	2.11371928 +2	1.59122515 +2	1.15178172 +2
0.445	2.50791068 +2	2.04380730 +2	1.56237836 +2	1.15063960 +2
0.450	2.39829197 +2	1.97665059 +2	1.53380626 +2	1.14883348 +2
0.455	2.29459753 +2	1.91212675 +2	1.50553177 +2	1.14639680 +2
0.460	2.19644728 +2	1.85011918 +2	1.47757519 +2	1.14336233 +2
0.465	2.10348925 +2	1.79051680 +2	1.44995437 +2	1.13976207 +2
0.470	2.01539733 +2	1.73321379 +2	1.42268485 +2	1.13562724 +2
0.475	1.93186899 +2	1.67810937 +2	1.39578013 +2	1.13098821 +2
0.480	1.85262346 +2	1.62510750 +2	1.36925174 +2	1.12587451 +2
0.485	1.77739991 +2	1.57411673 +2	1.34310947 +2	1.12031474 +2
0.490	1.70595585 +2	1.52504989 +2	1.31736149 +2	1.11433657 +2
0.495	1.63806568 +2	1.47782400 +2	1.29201446 +2	1.10796676 +2
0.500	1.57351936 +2	1.43235996 +2	1.26707371 +2	1.10123112 +2
0.505	1.51212118 +2	1.38858236 +2	1.24254328 +2	1.09415452 +2
0.510	1.45368867 +2	1.34641939 +2	1.21842612 +2	1.08676090 +2
0.515	1.39805157 +2	1.30580259 +2	1.19472411 +2	1.07907323 +2
0.520	1.34505095 +2	1.26666670 +2	1.17143825 +2	1.07111359 +2
0.525	1.29453827 +2	1.22894951 +2	1.14856860 +2	1.06290315 +2
0.530	1.24637471 +2	1.19259170 +2	1.12611450 +2	1.05446215 +2
0.535	1.20043039 +2	1.15753669 +2	1.10407047 +2	1.04580995 +2
0.540	1.15658370 +2	1.12373055 +2	1.08244693 +2	1.03696508 +2
0.545	1.11472078 +2	1.09112180 +2	1.06122892 +2	1.02794521 +2
0.550	1.07473490 +2	1.05966134 +2	1.04041749 +2	1.01876716 +2
0.555	1.03652594 +2	1.02930231 +2	1.02000916 +2	1.00944701 +2
0.560	1.00000000 +2	1.00000000 +2	1.00000000 +2	1.00000000 +2
0.565	9.65068894 +1	9.71711718 +1	9.80385762 +1	9.90440658 +1
0.570	9.31649780 +1	9.44396699 +1	9.61161854 +1	9.80782763 +1
0.575	8.99664803 +1	9.18016028 +1	9.42323432 +1	9.71039404 +1
0.580	8.69040736 +1	8.92532532 +1	9.23865412 +1	9.61222971 +1
0.585	8.39708684 +1	8.67910689 +1	9.05782484 +1	9.51345219 +1
0.590	8.11603782 +1	8.44116578 +1	8.88069200 +1	9.41417246 +1
0.595	7.84664937 +1	8.21117768 +1	8.70719936 +1	9.31449567 +1
0.600	7.58834569 +1	7.98883258 +1	8.53728947 +1	9.21452092 +1
∞	∞	1.3008 +10	2.8212 +9	7.3705 +8

Note: Power radiated per unit wavelength interval over the whole hemisphere by unit area of the black-body radiator for the wavelength 0.60 microns. Unit is ergs per sec per sq. cm. per 0.005 micron wavelength interval.

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TABLE 1

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Relative Power per Unit Wavelength Interval

Wavelength (microns)	Temperature (Mireds)		$C_2 = 1.438 \text{ cm. deg.}$	
	0	50	100	150
0.600	7.58834569 +1	7.98883258 +1	8.53728947 +1	9.21452092 +1
0.605	7.34058395 +1	7.77383421 +1	8.37090411 +1	9.11434183 +1
0.610	7.10285205 +1	7.56589907 +1	8.20798392 +1	9.01404646 +1
0.615	6.87466666 +1	7.36475624 +1	8.04846936 +1	8.91371787 +1
0.620	6.65557146 +1	7.17014637 +1	7.89230006 +1	8.81343419 +1
0.625	6.44513530 +1	6.98182143 +1	7.73941573 +1	8.71326864 +1
0.630	6.24295078 +1	6.79954389 +1	7.58975567 +1	8.61328995 +1
0.635	6.04863261 +1	6.62308656 +1	7.44325937 +1	8.51356266 +1
0.640	5.86181642 +1	6.45223179 +1	7.29986639 +1	8.41414711 +1
0.645	5.68215728 +1	6.28677127 +1	7.15951652 +1	8.31509969 +1
0.650	5.50932867 +1	6.12650543 +1	7.02214987 +1	8.21647296 +1
0.655	5.34302135 +1	5.97124299 +1	6.88770691 +1	8.11831603 +1
0.660	5.18294221 +1	5.82080082 +1	6.75612864 +1	8.02067450 +1
0.665	5.02881348 +1	5.67500332 +1	6.62735654 +1	7.92359073 +1
0.670	4.88037167 +1	5.53368216 +1	6.50133283 +1	7.82710408 +1
0.675	4.73736686 +1	5.39667601 +1	6.37800023 +1	7.73125087 +1
0.680	4.59956180 +1	5.26383010 +1	6.25730225 +1	7.63606467 +1
0.685	4.46673124 +1	5.13499597 +1	6.13918310 +1	7.54157637 +1
0.690	4.33866127 +1	5.01003129 +1	6.02358782 +1	7.44781449 +1
0.695	4.21514860 +1	4.88879935 +1	5.91046219 +1	7.35480501 +1
0.700	4.09600001 +1	4.77116904 +1	5.79975282 +1	7.26257168 +1
0.705	3.98103175 +1	4.65701450 +1	5.69140723 +1	7.17113614 +1
0.710	3.87006905 +1	4.54621484 +1	5.58537380 +1	7.08051799 +1
0.715	3.76294561 +1	4.43865401 +1	5.48160174 +1	6.99073502 +1
0.720	3.65950312 +1	4.33422052 +1	5.38004121 +1	6.90180300 +1
0.725	3.55959085 +1	4.23280726 +1	5.28064319 +1	6.81373622 +1
0.730	3.46306519 +1	4.13431133 +1	5.18335966 +1	6.72654713 +1
0.735	3.36978933 +1	4.03863386 +1	5.08814348 +1	6.64024685 +1
0.740	3.27963286 +1	3.94567975 +1	4.99494835 +1	6.55484494 +1
0.745	3.19247141 +1	3.85535760 +1	4.90372895 +1	6.47034966 +1
0.750	3.10818639 +1	3.76757954 +1	4.81444088 +1	6.38676798 +1
0.755	3.02666464 +1	3.68226104 +1	4.72704060 +1	6.30410567 +1
0.760	2.947779813 +1	3.59932078 +1	4.64148545 +1	6.22236737 +1
0.765	2.87148378 +1	3.51868050 +1	4.55773370 +1	6.14155661 +1
0.770	2.79762311 +1	3.44026495 +1	4.47574448 +1	6.06167608 +1
0.775	2.72612207 +1	3.36400165 +1	4.39547782 +1	5.98272732 +1
0.780	2.65689076 +1	3.28982082 +1	4.31689453 +1	5.90471116 +1
0.785	2.58984327 +1	3.21765535 +1	4.23995639 +1	5.82762753 +1
0.790	2.52489745 +1	3.14744048 +1	4.16462594 +1	5.75147562 +1
0.795	2.46197475 +1	3.07911395 +1	4.09086654 +1	5.67625388 +1
0.800	2.40100000 +1	3.01261575 +1	4.01864244 +1	5.60196013 +1
∞		1.3008 +10	2.8212 +9	7.3705 +8

The power radiated per unit wavelength interval over the whole hemisphere by unit area of the black-body radiator for the wavelength 0.60 microns. It is watts per sec per sq. cm per 0.005 micron wavelength interval.

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TABLE 1

Relative Power per Unit Wavelength Interval

Wavelength	Temperature (mireds)		$C_2 = 1.438 \text{ cm. deg.}$	
(microns)	200	250	300	350
0.350	4.78527963 +1	2.22380914 +1	1.03046845 +1	4.77103820 +0
0.355	5.00475688 +1	2.39401478 +1	1.14189911 +1	5.44216029 +0
0.360	5.22269372 +1	2.56946078 +1	1.26054210 +1	6.17898656 +0
0.365	5.43860593 +1	2.74981117 +1	1.38642935 +1	6.98456202 +0
0.370	5.65203769 +1	2.93471503 +1	1.51956371 +1	7.86177677 +0
0.375	5.86256167 +1	3.12380916 +1	1.65991946 +1	8.81334594 +0
0.380	6.06978030 +1	3.31672082 +1	1.80744278 +1	9.84179194 +0
0.385	6.27332523 +1	3.51307016 +1	1.96205274 +1	1.09494288 +1
0.390	6.47285794 +1	3.71247264 +1	2.12364227 +1	1.21383481 +1
0.395	6.66806912 +1	3.91454136 +1	2.29207925 +1	1.34104075 +1
0.400	6.85867809 +1	4.11888925 +1	2.46720786 +1	1.47672196 +1
0.405	7.04443261 +1	4.32513086 +1	2.64885002 +1	1.62101454 +1
0.410	7.22510796 +1	4.53288421 +1	2.83680676 +1	1.77402884 +1
0.415	7.40050589 +1	4.74177265 +1	3.03085991 +1	1.93584901 +1
0.420	7.57045383 +1	4.95142620 +1	3.23077355 +1	2.10653284 +1
0.425	7.73480412 +1	5.16148315 +1	3.43629581 +1	2.28611173 +1
0.430	7.89343210 +1	5.37159079 +1	3.64716039 +1	2.47459090 +1
0.435	8.04623595 +1	5.58140701 +1	3.86308813 +1	2.67194958 +1
0.440	8.19313512 +1	5.79060082 +1	4.08378901 +1	2.87814160 +1
0.445	8.33406868 +1	5.99885339 +1	4.30896322 +1	3.09309596 +1
0.450	8.46899514 +1	6.20585859 +1	4.53830314 +1	3.31671743 +1
0.455	8.59789027 +1	6.41132345 +1	4.77149468 +1	3.54888757 +1
0.460	8.72074649 +1	6.61496896 +1	5.00821894 +1	3.78946537 +1
0.465	8.83757180 +1	6.81652974 +1	5.24815329 +1	4.03828870 +1
0.470	8.94838818 +1	7.01575501 +1	5.49097297 +1	4.29517493 +1
0.475	9.05323094 +1	7.21240805 +1	5.73635232 +1	4.55992220 +1
0.480	9.15214718 +1	7.40626663 +1	5.98396607 +1	4.83231087 +1
0.485	9.24519560 +1	7.59712309 +1	6.23349027 +1	5.11210434 +1
0.490	9.33244434 +1	7.78478390 +1	6.48460338 +1	5.39905060 +1
0.495	9.41397120 +1	7.96906961 +1	6.73698768 +1	5.69288325 +1
0.500	9.48986196 +1	8.14981476 +1	6.99032934 +1	5.99332319 +1
0.505	9.56020974 +1	8.32686749 +1	7.24432004 +1	6.30007924 +1
0.510	9.62511430 +1	8.50008970 +1	7.49865757 +1	6.61285002 +1
0.515	9.68468119 +1	8.66935578 +1	7.75304584 +1	6.93132490 +1
0.520	9.73902111 +1	8.83455312 +1	8.00719668 +1	7.25518528 +1
0.525	9.78824882 +1	8.99558129 +1	8.26082925 +1	7.58410563 +1
0.530	9.83248298 +1	9.15235205 +1	8.51367118 +1	7.91775518 +1
0.535	9.87184564 +1	9.30478816 +1	8.76545864 +1	8.25579834 +1
0.540	9.90646099 +1	9.45282380 +1	9.01593713 +1	8.59789626 +1
0.545	9.93645566 +1	9.59640330 +1	9.26486140 +1	8.94370795 +1
0.550	9.96195743 +1	9.73548146 +1	9.51199549 +1	9.29289082 +1
0.555	9.98309568 +1	9.87002254 +1	9.75711372 +1	9.64510233 +1
0.560	1.00000000 +2	1.00000000 +2	1.00000000 +2	1.00000000 +2
0.565	1.00128008 +2	1.01253963 +2	1.02404483 +2	1.03572431 +2
0.570	1.00216281 +2	1.02462018 +2	1.04782629 +2	1.07164933 +2
0.575	1.00266115 +2	1.03624149 +2	1.07132579 +2	1.10774149 +2
0.580	1.00278805 +2	1.04740413 +2	1.09452574 +2	1.14399762 +2
0.585	1.00255630 +2	1.05810934 +2	1.11740960 +2	1.18029498 +2
0.590	1.00197864 +2	1.06835905 +2	1.13996178 +2	1.21669134 +2
0.595	1.00106764 +2	1.07815579 +2	1.16216769 +2	1.25312500 +2
0.600	9.99835698 +1	1.08750262 +2	1.18401372 +2	1.28956489 +2
∞	2.0097 +R	5.5421 +7	1.5331 +7	4.2444 +6

The power radiated per unit wavelength interval over the whole hemisphere by unit area of the Planckian radiator for the wavelength λ , 56 microns. Unit in ergs per sec per sq. cm. per 0.005 micron wavelength interval.

TABLE 1

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Relative Power per Unit Wavelength Interval

Wavelength (microns)	Temperature (mireds)		C ₂ =1.438 cm. deg.	
	200	250	300	350
0.600	9.99835698 +1	1.08750262 +2	1.18401372 +2	1.28956489 +2
0.605	9.98295084 +1	1.09640320 +2	1.20548721 +2	1.32598060 +2
0.610	9.96487861 +1	1.10486160 +2	1.22657641 +2	1.36234240 +2
0.615	9.94335881 +1	1.11288242 +2	1.24727052 +2	1.39862129 +2
0.620	9.91940801 +1	1.12047061 +2	1.26755965 +2	1.43478908 +2
0.625	9.89284044 +1	1.12763153 +2	1.28743475 +2	1.47081836 +2
0.630	9.86376787 +1	1.13437092 +2	1.30688760 +2	1.50668253 +2
0.635	9.83230003 +1	1.14069480 +2	1.32591090 +2	1.54235584 +2
0.640	9.79854391 +1	1.14660947 +2	1.34449806 +2	1.57781336 +2
0.645	9.76260428 +1	1.15212154 +2	1.36264333 +2	1.61303119 +2
0.650	9.72458319 +1	1.15723783 +2	1.38034167 +2	1.64798617 +2
0.655	9.68458001 +1	1.16196533 +2	1.39758878 +2	1.68265609 +2
0.660	9.64269181 +1	1.16631126 +2	1.41438106 +2	1.71701967 +2
0.665	9.59901283 +1	1.17028297 +2	1.43071558 +2	1.75105652 +2
0.670	9.55363488 +1	1.17388798 +2	1.44669904 +2	1.78474715 +2
0.675	9.50664712 +1	1.17713385 +2	1.46200278 +2	1.81807301 +2
0.680	9.45813608 +1	1.18002833 +2	1.47695272 +2	1.85101643 +2
0.685	9.40818569 +1	1.18257919 +2	1.49143933 +2	1.88356064 +2
0.690	9.35687755 +1	1.18479427 +2	1.50546264 +2	1.91568977 +2
0.695	9.30429051 +1	1.18668145 +2	1.51902317 +2	1.94738886 +2
0.700	9.25050088 +1	1.18824862 +2	1.53212194 +2	1.97864377 +2
0.705	9.19558274 +1	1.18950373 +2	1.54476043 +2	2.00944125 +2
0.710	9.13960765 +1	1.19045467 +2	1.55694054 +2	2.03976888 +2
0.715	9.08264463 +1	1.19110937 +2	1.56866462 +2	2.06961508 +2
0.720	9.02476060 +1	1.19147570 +2	1.57993535 +2	2.09896912 +2
0.725	8.96601987 +1	1.19156151 +2	1.59075584 +2	2.12782098 +2
0.730	8.90648481 +1	1.19137457 +2	1.60112949 +2	2.15616151 +2
0.735	8.84621540 +1	1.19092266 +2	1.61106005 +2	2.18398229 +2
0.740	8.78526936 +1	1.19021343 +2	1.62055157 +2	2.21127562 +2
0.745	8.72370245 +1	1.18925450 +2	1.62960838 +2	2.23803456 +2
0.750	8.66156836 +1	1.18805338 +2	1.63823505 +2	2.26425286 +2
0.755	8.59891868 +1	1.18661753 +2	1.64643643 +2	2.28992495 +2
0.760	8.53580297 +1	1.18495430 +2	1.65421756 +2	2.31504592 +2
0.765	8.47226896 +1	1.18307092 +2	1.66158368 +2	2.33961151 +2
0.770	8.40836246 +1	1.18097457 +2	1.66854025 +2	2.36361810 +2
0.775	8.34412758 +1	1.17867228 +2	1.67509290 +2	2.38706265 +2
0.780	8.27960642 +1	1.17617100 +2	1.68124740 +2	2.40994267 +2
0.785	8.21483963 +1	1.17347754 +2	1.68700965 +2	2.43225633 +2
0.790	8.14986593 +1	1.17059861 +2	1.69238571 +2	2.45400223 +2
0.795	8.08472247 +1	1.16754082 +2	1.69738173 +2	2.47517952 +2
0.800	8.01944508 +1	1.16431062 +2	1.70200396 +2	2.49578790 +2
m	2.0097 +8	5.5421 +7	1.5331 +7	4.2444 +6

m The power radiated per unit wavelength interval over the whole hemisphere by unit area of the Planckian radiator for the wavelength 0.56 microns. Unit is ergs per sec per sq. cm. per 0.005 micron wavelength interval.

Ma 1638

TABLE 1

Relative Power per Unit Wavelength Interval

Wavelength (microns)	Temperature (mireds)				$C_1 = 1.438 \text{ cm. deg.}$			
	400		450		500		550	
0.350	2.20846264	+0	1.02220742	+0	4.73129675	-1	2.18987421	-1
0.355	2.59306949	+0	1.23546037	+0	5.88620907	-1	2.80440260	-1
0.360	3.02814511	+0	1.48391148	+0	7.27162558	-1	3.56330366	-1
0.365	3.51787575	+0	1.77171457	+0	8.92276023	-1	4.49368376	-1
0.370	4.06651874	+0	2.10327878	+0	1.08783523	+0	5.62635618	-1
0.375	4.67837811	+0	2.48325836	+0	1.31807679	+0	6.99612141	-1
0.380	5.35778146	+0	2.91654021	+0	1.58760767	+0	8.64203919	-1
0.385	6.10905429	+0	3.40822897	+0	1.90141021	+0	1.06076869	+0
0.390	6.93649647	+0	3.96363016	+0	2.26484436	+0	1.29414047	+0
0.395	7.84435701	+0	4.58823038	+0	2.68364699	+0	1.56965210	+0
0.400	8.83680973	+0	5.28767679	+0	3.16392841	+0	1.89315526	+0
0.405	9.91793055	+0	6.06775476	+0	3.71216562	+0	2.27103855	+0
0.410	1.10916746	+1	6.93436276	+0	4.33519258	+0	2.71024203	+0
0.415	1.23618543	+1	7.89348815	+0	5.04018806	+0	3.21826926	+0
0.420	1.37321190	+1	8.95118073	+0	5.83466006	+0	3.80319577	+0
0.425	1.52059367	+1	1.01135255	+1	6.72642840	+0	4.47367410	+0
0.430	1.67865741	+1	1.13866165	+1	7.72360271	+0	5.23893557	+0
0.435	1.84770831	+1	1.27765284	+1	8.83456123	+0	6.10878745	+0
0.440	2.02802861	+1	1.42892893	+1	1.00679239	+1	7.09360743	+0
0.445	2.21987593	+1	1.59308535	+1	1.14325264	+1	8.20433383	+0
0.450	2.42348278	+1	1.77070756	+1	1.29373904	+1	9.45245197	+0
0.455	2.63905498	+1	1.96236841	+1	1.45916932	+1	1.08499771	+1
0.460	2.86677132	+1	2.16862554	+1	1.64047367	+1	1.24094336	+1
0.465	3.10678282	+1	2.39001922	+1	1.83859125	+1	1.41438302	+1
0.470	3.35921218	+1	2.62706968	+1	2.05446712	+1	1.60666328	+1
0.475	3.62415370	+1	2.88027523	+1	2.28904851	+1	1.81917347	+1
0.480	3.90167274	+1	3.15011022	+1	2.54328155	+1	2.05334210	+1
0.485	4.19180652	+1	3.43702298	+1	2.81810793	+1	2.31063336	+1
0.490	4.49456321	+1	3.74143419	+1	3.11446118	+1	2.59254326	+1
0.495	4.80992324	+1	4.06373533	+1	3.43326344	+1	2.90059553	+1
0.500	5.13783908	+1	4.40428732	+1	3.77542202	+1	3.23633723	+1
0.505	5.47802350	+1	4.76341936	+1	4.14182626	+1	3.60133436	+1
0.510	5.83101228	+1	5.14142733	+1	4.53334466	+1	3.99716744	+1
0.515	6.19604101	+1	5.53857362	+1	4.95082093	+1	4.42542680	+1
0.520	6.57316978	+1	5.95508618	+1	5.39507203	+1	4.88770742	+1
0.525	6.96222188	+1	6.39115747	+1	5.86688478	+1	5.38560481	+1
0.530	7.36299741	+1	6.84694497	+1	6.36701398	+1	5.92070977	+1
0.535	7.77527467	+1	7.32256955	+1	6.89617883	+1	6.49460375	+1
0.540	8.19881050	+1	7.81811742	+1	7.45506179	+1	7.10885371	+1
0.545	8.63334183	+1	8.33363776	+1	8.04430541	+1	7.76500801	+1
0.550	9.07858624	+1	8.86914504	+1	8.66451145	+1	8.46459132	+1
0.555	9.53424456	+1	9.42461782	+1	9.31623832	+1	9.20910069	+1
0.560	1.00000000	+2	1.00000000	+2	1.00000000	+2	1.00000000	+2
0.565	1.04755217	+2	1.05952011	+2	1.07162651	+2	1.08387173	+2
0.570	1.09604634	+2	1.12100973	+2	1.14654540	+2	1.17266390	+2
0.575	1.14544668	+2	1.18445312	+2	1.22479400	+2	1.26651078	+2
0.580	1.19571619	+2	1.24983143	+2	1.30640473	+2	1.36554176	+2
0.585	1.24681674	+2	1.31712255	+2	1.39140503	+2	1.46988101	+2
0.590	1.29870941	+2	1.38630153	+2	1.47981745	+2	1.57964723	+2
0.595	1.35135435	+2	1.45734038	+2	1.57165941	+2	1.69495326	+2
0.600	1.40471100	+2	1.53020834	+2	1.66694334	+2	1.81590578	+2
π	1.1754	+6	3.2551	+5	9.0147	+4	2.4966	+4

π The power radiated per unit wavelength interval over the whole hemisphere by unit area of the Planckian radiator for the wavelength 0.56 microns. Unit is ergs per sec per sq. cm. per 0.005 micron wavelength interval.

TABLE 1

Relative Power per Unit Wavelength Interval

Wavelength	Temperature (mireds)		$C_2 = 1.438 \text{ cm. deg.}$	
(microns)	400	450	500	550
0.600	1.40471100 +2	1.53020834 +2	1.66694334 +2	1.81590578 +2
0.605	1.45873833 +2	1.60487209 +2	1.76567681 +2	1.94260529 +2
0.610	1.51339462 +2	1.68129560 +2	1.86786216 +2	2.07514847 +2
0.615	1.56863805 +2	1.75944050 +2	1.97349705 +2	2.21361325 +2
0.620	1.62442623 +2	1.83926608 +2	2.08257397 +2	2.35808853 +2
0.625	1.68071683 +2	1.92072956 +2	2.19508074 +2	2.50864412 +2
0.630	1.73746721 +2	2.00378606 +2	2.31100047 +2	2.66534536 +2
0.635	1.79463493 +2	2.08838874 +2	2.43031155 +2	2.82825036 +2
0.640	1.85217749 +2	2.17448903 +2	2.55298768 +2	2.99740935 +2
0.645	1.91005269 +2	2.26203688 +2	2.67899802 +2	3.17286542 +2
0.650	1.96821850 +2	2.35098058 +2	2.80830869 +2	3.35465366 +2
0.655	2.02663313 +2	2.44126705 +2	2.94087944 +2	3.54280157 +2
0.660	2.08525531 +2	2.53284213 +2	3.07666737 +2	3.73732904 +2
0.665	2.14404415 +2	2.62565036 +2	3.21562543 +2	3.93824819 +2
0.670	2.20295930 +2	2.71963546 +2	3.35770263 +2	4.14556359 +2
0.675	2.26196097 +2	2.81474026 +2	3.50284445 +2	4.35927223 +2
0.680	2.32100996 +2	2.91090684 +2	3.65099294 +2	4.57936346 +2
0.685	2.38006775 +2	3.00807668 +2	3.80208676 +2	4.80581933 +2
0.690	2.43909659 +2	3.10619081 +2	3.95606154 +2	5.03861456 +2
0.695	2.49805942 +2	3.20518985 +2	4.11284982 +2	5.27771663 +2
0.700	2.55691992 +2	3.30501409 +2	4.27238127 +2	5.52308595 +2
0.705	2.61564273 +2	3.40560387 +2	4.43458327 +2	5.77467604 +2
0.710	2.67419326 +2	3.50689913 +2	4.59938028 +2	6.03243364 +2
0.715	2.73253778 +2	3.60884022 +2	4.76669485 +2	6.29629895 +2
0.720	2.79064352 +2	3.71136738 +2	4.93644707 +2	6.56620561 +2
0.725	2.84847854 +2	3.81442107 +2	5.10855540 +2	6.84208128 +2
0.730	2.90601196 +2	3.91794223 +2	5.28293616 +2	7.12384726 +2
0.735	2.96321382 +2	4.02187199 +2	5.45950440 +2	7.41141941 +2
0.740	3.02005502 +2	4.12615210 +2	5.63817338 +2	7.70470755 +2
0.745	3.07650754 +2	4.23072469 +2	5.81885528 +2	8.00361645 +2
0.750	3.13254437 +2	4.33553267 +2	6.00146095 +2	8.30804565 +2
0.755	3.18813942 +2	4.44051945 +2	6.18590040 +2	8.61788966 +2
0.760	3.24326756 +2	4.54562934 +2	6.37208277 +2	8.93303838 +2
0.765	3.29790473 +2	4.65080725 +2	6.55991633 +2	9.25337700 +2
0.770	3.35202778 +2	4.75599915 +2	6.74930902 +2	9.57878661 +2
0.775	3.40561467 +2	4.86115179 +2	6.94016817 +2	9.90914435 +2
0.780	3.45864416 +2	4.96621275 +2	7.13240100 +2	1.02443234 +3
0.785	3.51109614 +2	5.07113073 +2	7.32591444 +2	1.05841939 +3
0.790	3.56295141 +2	5.17585549 +2	7.52061537 +2	1.09286220 +3
0.795	3.61419160 +2	5.28033762 +2	7.71641098 +2	1.12774709 +3
0.800	3.66479956 +2	5.38452899 +2	7.91320844 +2	1.16306015 +3
∞	1.1754 +6	3.2551 +5	9.0147 +4	2.4966 +4

the power radiated per unit wavelength interval over the whole hemisphere by unit area of the Planckian radiator for the wavelength 0.56 microns. Unit is area per sec per sq. cm. per 0.005 micron wavelength interval.

TABLE 1

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Relative Power per Unit Wavelength Interval

Wavelength (microns)	Temperature (mireds)		$C_2 = 1.438$ cm. deg.	
	600		650	700
0.350	1.01357887 -1		4.69132766 -2	2.17137044 -2
0.355	1.33611684 -1		6.36573219 -2	3.03285904 -2
0.360	1.74611793 -1		8.55646052 -2	4.19290165 -2
0.365	2.26310759 -1		1.13974510 -1	5.73997755 -2
0.370	2.90998488 -1		1.50506093 -1	7.78426064 -2
0.375	3.71341415 -1		1.97101199 -1	1.04617681 -1
0.380	4.70423152 -1		2.56071345 -1	1.39390511 -1
0.385	5.91786388 -1		3.30148321 -1	1.84184530 -1
0.390	7.39475685 -1		4.22538435 -1	2.41439577 -1
0.395	9.18080636 -1		5.36979971 -1	3.14076393 -1
0.400	1.13277911 +0		6.77803915 -1	4.05567221 -1
0.405	1.38938013 +0		8.49997220 -1	5.20012591 -1
0.410	1.69436579 +0		1.05926864 +0	6.62224115 -1
0.415	2.05493188 +0		1.31211628 +0	8.37813115 -1
0.420	2.47902673 +0		1.61589670 +0	1.05328500 +0
0.425	2.97538794 +0		1.97889470 +0	1.31613887 +0
0.430	3.55357605 +0		2.41039380 +0	1.63497206 +0
0.435	4.22400539 +0		2.92074583 +0	2.01958904 +0
0.440	4.99797188 +0		3.52144015 +0	2.48111417 +0
0.445	5.88767570 +0		4.22517081 +0	3.03210761 +0
0.450	6.90624109 +0		5.04590213 +0	3.68668354 +0
0.455	8.06773102 +0		5.99893086 +0	4.46063028 +0
0.460	9.38715776 +0		7.10094459 +0	5.37153075 +0
0.465	1.08804873 +1		8.37007780 +0	6.43888390 +0
0.470	1.25646395 +1		9.82596101 +0	7.68422353 +0
0.475	1.44574839 +1		1.14897662 +1	9.13123640 +0
0.480	1.65778296 +1		1.33842453 +1	1.08058778 +1
0.485	1.89454082 +1		1.55337656 +1	1.27364817 +1
0.490	2.15808540 +1		1.79643339 +1	1.49538679 +1
0.495	2.45056803 +1		2.07036165 +1	1.74914417 +1
0.500	2.77422436 +1		2.37809540 +1	2.03852905 +1
0.505	3.13137129 +1		2.72273632 +1	2.36742666 +1
0.510	3.52440286 +1		3.10755362 +1	2.74000692 +1
0.515	3.95578526 +1		3.53598297 +1	3.16073125 +1
0.520	4.42805289 +1		4.01162477 +1	3.63435857 +1
0.525	4.94380214 +1		4.53824143 +1	4.16594997 +1
0.530	5.50568634 +1		5.11975373 +1	4.76087338 +1
0.535	6.11640934 +1		5.76023709 +1	5.42480522 +1
0.540	6.77871998 +1		6.46391695 +1	6.16373269 +1
0.545	7.49540501 +1		7.23516196 +1	6.98395415 +1
0.550	8.26928204 +1		8.07847888 +1	7.89207759 +1
0.555	9.10319385 +1		8.99850482 +1	8.89501940 +1
0.560	1.00000000 +2		1.00000000 +2	1.00000000 +2
0.565	1.09625704 +2		1.10878394 +2	1.12145400 +2
0.570	1.19937780 +2		1.22670039 +2	1.25464540 +2
0.575	1.30964916 +2		1.35425705 +2	1.37693922 +2
0.580	1.42735678 +2		1.49197036 +2	1.53606380 +2
0.585	1.55278452 +2		1.64036442 +2	1.72507149 +2
0.590	1.68621355 +2		1.79996978 +2	1.91358028 +2
0.595	1.82792182 +2		1.97132269 +2	2.12595830 +2
0.600	1.97818322 +2		2.15496369 +2	2.31629242 +2
"	6.9143 +3		1.9149 +3	5.3032 +2

the power radiated per unit wavelength interval over the whole hemisphere
by unit area of the Planckian radiator for the wavelength 0.56 microns.
Unit is ergs per sec per sq. cm. per 0.006 micron wavelength interval.

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TABLE 1

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Relative Power per Unit Wavelength Interval

Wavelength (microns)	Temperature (mireds)		$C_2 = 1.438$ cm. deg.	
	600		650	700
0.600	1.97818322	+2	2.15496369	+2
0.605	2.13726699	+2	2.35143659	+2
0.610	2.30543692	+2	2.56128715	+2
0.615	2.48295092	+2	2.78506228	+2
0.620	2.67006029	+2	3.02330848	+2
0.625	2.86700907	+2	3.27657079	+2
0.630	3.07403340	+2	3.54539169	+2
0.635	3.29136132	+2	3.83030981	+2
0.640	3.51921191	+2	4.13185878	+2
0.645	3.75779500	+2	4.45056640	+2
0.650	4.00731050	+2	4.78695284	+2
0.655	4.26794828	+2	5.14153029	+2
0.660	4.53988748	+2	5.51480131	+2
0.665	4.82329637	+2	5.90725817	+2
0.670	5.11833207	+2	6.31938162	+2
0.675	5.42514001	+2	6.75163983	+2
0.680	5.74385379	+2	7.20448790	+2
0.685	6.07459499	+2	7.67836653	+2
0.690	6.41747327	+2	8.17370116	+2
0.695	6.77258550	+2	8.69090144	+2
0.700	7.14001623	+2	9.23036028	+2
0.705	7.51983748	+2	9.79245324	+2
0.710	7.91210854	+2	1.03775378	+3
0.715	8.31687626	+2	1.09859526	+3
0.720	8.73417434	+2	1.16180171	+3
0.725	9.16402441	+2	1.22740313	+3
0.730	9.60643490	+2	1.29542743	+3
0.735	1.00614022	+3	1.36590050	+3
0.740	1.05289100	+3	1.43884609	+3
0.745	1.10089299	+3	1.51428588	+3
0.750	1.15014213	+3	1.59223928	+3
0.755	1.20063315	+3	1.67272364	+3
0.760	1.25235962	+3	1.75575401	+3
0.765	1.30531393	+3	1.84134325	+3
0.770	1.35948737	+3	1.92950201	+3
0.775	1.41487010	+3	2.02023873	+3
0.780	1.47145119	+3	2.11355958	+3
0.785	1.52921867	+3	2.20946854	+3
0.790	1.58815954	+3	2.30796730	+3
0.795	1.64825979	+3	2.40905551	+3
0.800	1.70950446	+3	2.51273049	+3
*	6.9143	+3	1.9149	+3
				5.3032 +2

*The power radiated per unit wavelength interval over the whole hemisphere by unit area of the Planckian radiator for the wavelength 0.56 microns. Unit is ergs per sec per sq.cm. per 0.006 micron wavelength interval.

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TABLE 1

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Relative Power per Unit Wavelength Interval

 $G_2 = 1.438 \text{ cm. deg.}$

Wavelength (microns)	Temperature (Mireds)		Wavelength (microns)	Temperature (Mireds)	
	10	20		10	20
0.350	6.04179490 +2	5.52305719 +2	0.575	9.02810749 +1	9.06222177 +1
0.355	5.72620003 +2	5.25278313 +2	0.580	8.73059189 +1	8.77420532 +1
0.360	5.43091837 +2	4.99873769 +2	0.585	8.44522579 +1	8.49751672 +1
0.365	5.15440300 +2	4.75977340 +2	0.590	8.17141873 +1	8.23162673 +1
0.370	4.89524262 +2	4.53483573 +2	0.595	7.90861384 +1	7.97603460 +1
0.375	4.65214800 +2	4.32295448 +2	0.600	7.65628506 +1	7.73026644 +1
0.380	4.42394015 +2	4.12323631 +2	0.605	7.41393538 +1	7.49387350 +1
0.385	4.20953968 +2	3.93485790 +2	0.610	7.18109526 +1	7.26643083 +1
0.390	4.00795729 +2	3.75705981 +2	0.615	6.95732050 +1	7.04753557 +1
0.395	3.81828530 +2	3.58914093 +2	0.620	6.74219114 +1	6.83680594 +1
0.400	3.63969004 +2	3.43045334 +2	0.625	6.53530946 +1	6.63387980 +1
0.405	3.47140511 +2	3.28039793 +2	0.630	6.33629922 +1	6.43841363 +1
0.410	3.31272516 +2	3.13842023 +2	0.635	6.14480385 +1	6.25008132 +1
0.415	3.16300040 +2	3.00400656 +2	0.640	5.96048549 +1	6.06857330 +1
0.420	3.02163179 +2	2.87668084 +2	0.645	5.78302396 +1	5.89359549 +1
0.425	2.88806643 +2	2.75600132 +2	0.650	5.61211545 +1	5.72486848 +1
0.430	2.76179357 +2	2.64155793 +2	0.655	5.44747189 +1	5.56212667 +1
0.435	2.64234103 +2	2.53296965 +2	0.660	5.28881976 +1	5.40511756 +1
0.440	2.52927190 +2	2.42988223 +2	0.665	5.13589950 +1	5.25360086 +1
0.445	2.42218151 +2	2.33196603 +2	0.670	4.98846437 +1	5.10734805 +1
0.450	2.32069480 +2	2.23891415 +2	0.675	4.84628012 +1	4.96614151 +1
0.455	2.22446386 +2	2.15044062 +2	0.680	4.70912404 +1	4.82977413 +1
0.460	2.13316567 +2	2.06627883 +2	0.685	4.57678424 +1	4.69804852 +1
0.465	2.04650015 +2	1.98618001 +2	0.690	4.44905934 +1	4.57077667 +1
0.470	1.96418826 +2	1.90991191 +2	0.695	4.32575756 +1	4.44777939 +1
0.475	1.88597038 +2	1.83725759 +2	0.700	4.20669647 +1	4.32888576 +1
0.480	1.81160476 +2	1.76801420 +2	0.705	4.09170226 +1	4.21393286 +1
0.485	1.74086610 +2	1.70199206 +2	0.710	3.98060945 +1	4.10276519 +1
0.490	1.67354435 +2	1.63901360 +2	0.715	3.87326036 +1	3.99523441 +1
0.495	1.60944347 +2	1.57891253 +2	0.720	3.76950458 +1	3.89119883 +1
0.500	1.54838044 +2	1.52153303 +2	0.725	3.66919883 +1	3.79052319 +1
0.505	1.49018425 +2	1.46672902 +2	0.730	3.57220640 +1	3.69307832 +1
0.510	1.43469496 +2	1.41436341 +2	0.735	3.47839686 +1	3.59874075 +1
0.515	1.38176301 +2	1.36430758 +2	0.740	3.38764571 +1	3.50739249 +1
0.520	1.33124833 +2	1.31644069 +2	0.745	3.29983413 +1	3.41892075 +1
0.525	1.28301974 +2	1.27064920 +2	0.750	3.21484861 +1	3.33321762 +1
0.530	1.23695427 +2	1.22682636 +2	0.755	3.13258073 +1	3.25017995 +1
0.535	1.19293661 +2	1.18487175 +2	0.760	3.05292695 +1	3.16970897 +1
0.540	1.15085856 +2	1.14469086 +2	0.765	2.97578818 +1	3.09171021 +1
0.545	1.11061849 +2	1.10619472 +2	0.770	2.90106982 +1	3.01609318 +1
0.550	1.07212096 +2	1.06929946 +2	0.775	2.82868128 +1	2.94277125 +1
0.555	1.03527627 +2	1.03392606 +2	0.780	2.75853596 +1	2.87166141 +1
0.560	1.00000000 +2	1.00000000 +2	0.785	2.69055097 +1	2.80268417 +1
0.565	9.66212770 +1	9.67450964 +1	0.790	2.62464702 +1	2.73576333 +1
0.570	9.33839823 +1	9.36212583 +1	0.795	2.56074814 +1	2.67082581 +1
0.575	9.02810749 +1	9.06222177 +1	0.800	2.49878155 +1	2.60780160 +1
m	1.1600 +11	5.0594 +10		1.1600 +11	5.0594 +10

the power radiated per unit wavelength interval over the stated band, by unit area of the blackbody radiator for the wavelength (50° degrees), unit is ergs per sec. per sq. cm. (600° micron wavelength interval).

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